REST API

parse\_str(file\_get\_contents('php://input'), $requestData);

‘GET’

$books = BooksMapper::getBooks();

$serializedBooks = array();

//Go through all the books and add them to the serialized array

foreach ($books as $book) {

$serializedBooks[] = $book->jsonSerialize();

}

// var\_dump($serializedBooks);

header('Content-Type: application/json');

echo json\_encode($serializedBooks);

\*jsonSerialzie method

$obj = new StdClass;

$obj->ISBN = $this->getISBN();

Retrn &obj

‘POST’

case "POST":

$newBook = new Book();

$newBook->setPrice($requestData['price']);

$newBookId = BooksMapper::createBook($newBook);

header('Content-Type: application/json');

echo json\_encode($newBookId);

‘DELELE’

$isbnToDelete = $requestData['isbn'];

if(BooksMapper::deleteBook($isbnToDelete)){

header('Content-Type: application/json');

echo json\_encode($result);

‘PUT’

Mapper

private static $db;

static function initialize(string $className) {

self::$db = new PDOAgent($className);

}

$selectSql = "insert into Books values(:isbn, :author, :title, :price)";

self::$db->query($selectSql);

try{

self::$db->bind(":isbn", $newBook->getISBN());

return self::$db->lastInsertId();

delete returns boolean

$deleteQuery = "delete from books where isbn = :isbn";

try{

self::$db->query($deleteQuery);

self::$db->bind(":isbn",$isbn);

update

static function updateBook(Book $updateBook){

$updateQuery = "update books set title=:title, author=:author, price=:price where isbn=:isbn";

try{

self::$db->query($updateQuery);

self::$db->bind(":isbn", $updateBook->getISBN());

Page

'<a href= "' . $\_SERVER['PHP\_SELF'] . '?action=delete&isbn=' . $book->getISBN() . '">

Delete

</a>

Main Class,

RestClient::call('DELETE', array('isbn' => $\_GET['isbn']));

$jsonBook = RestClient::call('GET', array('isbn' => $\_GET['isbn']));

$jsonBook = json\_decode($jsonBook);

$bookUpdate = new Book();

$bookUpdate->setISBN($jsonBook->ISBN);

if($\_POST['edit'] == "true"){

$result = RestClient::call('PUT', $\_POST);

} else {

$result = RestClient::call('POST', $\_POST);

$jsonBooks = RestClient::call('GET', array());

$decodedBooks = json\_decode($jsonBooks);

$books = array();

foreach($decodedBooks as $book){

$newBook = new Book();

$newBook->setISBN($book->ISBN);

Make an object as standard class for endcoding json

$obj = new StdClass;

$obj->ISBN = $this->getISBN();

$obj->Title = $this->getTitle();

$obj->Author = $this->getAuthor();

$obj->Price = $this->getPrice();

//Return the standard class

return $obj;

<td><A HREF="'.$\_SERVER["PHP\_SELF"].'?action=delete&isbn='.$book->getISBN().'

">Delete</A></td>

Xml

$xml = new SimpleXMLElement('<xml/>');

$penXML = $xml->addChild('pen');

$penXML->addChild('color', $pen->color);

$xmlString = $xml->asXML();

$xmlPen = simplexml\_load\_string($xmlString);